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UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/431,753	11/01/1999	JUKKA WALLENIUS	4925-9	9171

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EXAMINER
MIRZA, ADNAN M

ART UNIT	PAPER NUMBER
2145	

DATE MAILED: 03/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	**Applicant(s)**
Office Action Summary		09/431,753	WALLENIUS, JUKKA
		Examiner	**Art Unit**
		Adnan M Mirza	2145

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *10 April 2004*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
    closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-68* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-68* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
        application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999

(AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002

do not apply when the reference is a U.S. patent resulting directly or indirectly from an

international application filed before November 29, 2000. Therefore, the prior art date of the

reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA

35 U.S.C. 102(e)).

2.   Claims 1-68 are rejected under 35 U.S.C. 102(e) as being unpatentable by Srinivasan et al

(U.S. 6,357,042).

As per claim 1-4,36 Srinivasan disclosed a procedure for using a time-dependent hyperlink in

video, comprising the steps of: (a) associating content reference for at least one hyperlink with a

video by associating the content reference with coordinates at which the hyperlink appears in the

video, wherein one of the coordinates includes time (col. 7, lines 32-48); (b) transmitting the

video from a first content server to a video browser of a user display; such that the hyper link appears in the video, wherein on of the coordinates includes time, such that the hyperlink follows the area on the screen in which the object associated with the hyperlink appears during the video (col. 7, lines 55-67 & col. 8, lines 1-4); (c) selecting by the user a selected hyperlink in the video by selecting coordinates corresponding to the area and time at which the selected hyperlink appears in the video, whereby the user selects the selected hyperlink in real time while the video is being displayed by the video browser (col. 4, lines 8-37); (d) determining the content reference for a new session of the selected hyperlink based on the selected coordinates (col. 9, lines 60-65); (e) initiating a connection of the browser to the new session of the selected hyperlink; and (f) switching the connection of the browser from the first content server to the new session (col. 17, lines 13-36).

3.   As per claim 5 Srinivasan disclosed wherein said step (d) comprises looking up the content reference in a database in the current content server based on the coordinates selected in said step (c) (col. 17, lines 19-36), the database including the content reference cross-referenced with the coordinates at which the at least one hyperlink for the content reference appears in the video (col. 8, lines 16-33).

4.   As per claim 6 Srinivasan disclosed further comprising the step of downloading a file from the current content server to the browser before performing said step (b) (col. 22, lines 1-9), the file containing a database including the content reference cross-referenced with the coordinates at which the at least one hyperlink for the content reference appears in the video and said step (d) comprises looking up the content reference in the downloaded file based on the coordinates selected in said step (c) (col. 8, lines 16-33).

5.   As per claim 7,8,37,51,52 Srinivasan disclosed wherein said step (e) further comprises initiating at a call processing server a connection to the new session of the selected hyperlink (col. 32, lines 23-31), the call processing server being arranged between the current content server and the browser (col. 33, lines 52-58).

6.   As per claim 9,10-13,26-28,39-41,54-56 Srinivasan disclosed further comprising the step
of downloading the switchover application containing information on the at least one hyperlink
in the video being transmitted in said step (b) (col. 35, lines 60-64).

7.   As per claim 14,20,29,43,58,64 Srinivasan disclosed wherein the switchover application
performs at least one of the following steps: downloading given contents at given points in time;
playing contents at given points in time; checking content server availability; selecting from
several content servers depending on server load status; requesting the current content server to
prepare a content for transmission; requesting the current content server to start transmitting a
prepared document; requesting the current content server to start transmitting content from a
given displacement; requesting a downloading of a new switchover application for the content
referred to by a link (col. 36, lines 10-40); establishing a new session to new content at given
points in time; submitting received call processing language scripts to assist establishment of a
new session; determining round trip delay between the browser and the content server of the
selected hyperlink and adjusting switchover times on the determination (col. 17, lines 52-67);
determining permanent terminal or terminal location specific implications to general session
establishment time and adjusting switchover schedules based on the determination; A performing
procedures needed to join a multicast session; reserving network resources for a. new session
under establishment or a link or data stream being resumed; freeing network resources for a new
session being cleared or a link or data stream being paused; performing video/audio content
switchover at a given point in time (col. 4, lines 25-54); comparing link descriptive information
with user preference attributes and browser capabilities, in case of failure to satisfy the
preference attributes; and cancelling the visualization of the link to the user in case of failure
(col. 32, lines 23-31).

8.   As per claim 15,21,30,33,44,59,65 Srinivasan disclosed wherein said step (f) comprises
maintaining a session to the first content server and the switchover application performs the
following steps: establishing a new session toward the content of the selected hyperlink at a
given point in time; pausing the video/audio content stream of the original content at said step

(f); resuming the video/audio content stream of the original content at switchover back to the

original content; and releasing the new session toward the content of the selected hyperlink after

switchover back to the original content (col. 4, lines 8-37).

9.   As per claim 16,22,31,45,60,66 Srinivasan disclosed wherein said step of resuming the

video/audio content stream of the original content including resuming at the point in the original

content at which the original content was paused (col. 25, lines 1-8).

10.   As per claim 17,23,32,46,61,67 Srinivasan disclosed wherein the switchover application

caches a history of switchover applications (col. 4, lines 55-63).

11.   As per claim 18,42,57 Srinivasan disclosed wherein said steps (d), (e), and (f) are

performed using a switchover application associated with the video in the first content server,

said step of transmitting a link stream comprises transmitting a link stream including link

selection and switchover preparation schedules, said switchover preparation schedules specified

ascii tag notation such that said switchover application performs the step of interpreting said ascii

tag notation (col. 4, lines 8-37).

12.   As per claim 19,63 Srinivasan disclosed wherein said step (d) includes using an algorithm

that determines the location of a hyperlink based on visual characteristics in the video (col. 7,

lines 16-33).

As per claim 24,62 Srinivasan disclosed wherein said step (b) comprises transmitting the video

from a current content server to a video browser of a user display via a media proxy controlled

by a call processing server (col. 13, lines 59-67).

13.   As per claim 25 Srinivasan disclosed further comprising the step of downloading a

switchover application to said call processing server or a service control means connected to said

call processing server, said switchover application containing information on links in the video

being transmitted in said step (b) (col. 4, lines 8-37).

14.   As per claim 35 Srinivasan disclosed further comprising means for transmitting a link stream containing said content reference of said at least one hyperlink from said first content server to said browser on a first communication channel and transmitting said video from said first content server to said browser in parallel to said link stream on a second communication channel (col. 32, lines 42-56).

15.   As per claim 34 Srinivasan disclosed a system for processing a time-dependent hyperlink in a video, comprising: a first content server comprising a video; a user input/output device comprising a display for displaying the video and an input output device for selecting a position on said display (col. 11, lines 49-60); a browser arranged for connecting said user input/output device to said first content server; at least one hyperlink and content reference cross-referenced with coordinates indicating where the object associated with at least one hyperlink appears in the video stored in said first content server (col. 4, lines 8-37), said coordinates including display position and time during the video; such that the at least one hyperlink follows the area on the screen in which the hyperlink appears during the video, and said content reference indicating a second content server comprising an electronic document to which the hyperlink is linked; means for determining when said hyperlink is selected by determining when coordinates at which the hyperlink appears in the video are selected while the video is being displayed on said display by said browser (col. 7, lines 55-67 & col. 8, lines 1-4), wherein the selection of the hyperlink is in real time while the video is displayed; and means for switching over a connection of said browser from said first content server to said second content server for user access to said electronic document in said second content server when said means for determining determines that said hyperlink has been selected (col. 17, lines 19-36).

16.   As per claim 38,53 Srinivasan disclosed wherein said content server comprises a switchover application for performing a smooth switchover and said means for performing a smooth switchover comprises a means for using said switchover application (col. 4, lines 8-37).

17.   As per claim 47 Srinivasan disclosed wherein said content server further comprises a link database (col. 32, lines 41-56)

18.   As per claim 48 Srinivasan disclosed further comprising means for downloading said link database to said browser (col. 32, lines 41-56).

19.   As per claim 49 Srinivasan disclosed wherein said means for determining when said hyperlink is selected comprises means for querying said link database (col. 32, lines 41-56).

20.   As per claim 50 Srinivasan disclosed further comprising a call processing server arranged between said browser and said first content server, said call processing server comprising said means for switching over a connection of said user input/output device from said first content server to said second content server (col. 4, lines 8-37).

21.   As per claim 68 Srinivasan disclosed wherein a second content reference and a third content reference are both associated with said at least one hyperlink such that said means for switching over a connection further comprises means for switching over a connection of said browser from said second content reference to said third content reference of said at least one hyperlink after completion of said second content reference is completed (col. 17, lines 19-36).

Conclusion

22.   Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (703)-305-4633.

23.   The examiner can normally be reached on Monday to Friday during normal business hours.

       If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dharia Rupal can be reached on (703)-305-4003. The fax for this group is (703)-746-7239.

24.   The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(703)-746-7239 (For Status Inquiries, Informal or Draft Communications, please label "PROPOSED" or "DRAFT");

(703)-746-7239 (For Official Communications Intended for entry, please mark "EXPEDITED PROCEDURE"),

(703)-746-7238 (For After Final Communications).

25.   Any Inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-3900.

Any response to a final action should be mailed to:

BOX AF

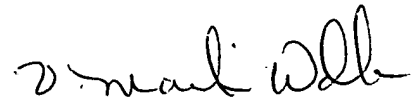   Commissioner of Patents and Trademarks Washington, D.C.20231

Or faxed to:

Hand-delivered responses should be brought to 4th Floor Receptionist, Crystal Park II, 2021 Crystal Drive, Arlington, VA 22202.

AM

Adnan Mirza

Examiner

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